

ABSTRACT

An electrostatic spraying device has a removable cartridge with a reservoir containing a volume of liquid compositions to be electrically sprayed. The device includes a nozzle for dispensing the liquid and an emitter electrode disposed adjacent to the nozzle for charging the liquid composition just being dispensed from the nozzle. A field electrode surrounds the reservoir in order to charge the liquid composition within the reservoir, thereby avoiding an occurrence of electric current which would deteriorate the composition remaining in the reservoir. The reservoir is at least partially made of deformable material such that the reservoir is capable of receiving pressure to deform and thus supply the liquid composition out of the reservoir. Thus, the reservoir can be designed into a simple and compact structure, thereby providing an increased liquid containing volume in relation to the bulk of the removable cartridge.